

In the Claims:

Please amend claims 32 and 33 as shown below. Please cancel claims 15, 17, and 19.
Please add new claims 35-62. The claims and their status is shown below.

1-28. (Canceled)

29. (Previously presented) A purified bovine TNF-RI polypeptide that binds TNF, wherein said polypeptide is encoded by a nucleic acid selected from the group consisting of:

- (a) the nucleotide sequence of SEQ ID NO.:1;
- (b) a fragment of the nucleotide sequence of (a); and
- (c) a nucleotide sequence that is at least 85% identical to (a) or (b).

30. (Previously presented) A purified soluble bovine TNF-RI polypeptide that binds TNF, wherein said polypeptide is encoded by a nucleic acid selected from the group consisting of:

- (a) the nucleotide sequence of SEQ ID NO.:3,
- (b) a fragment of the nucleotide sequence of (a); and
- (c) a nucleotide sequence that is at least 85% identical to (a) or (b).

31. (Previously presented) The polypeptide of claim 30, wherein said polypeptide comprises a bovine TNF-RI extracellular domain or fragments thereof.

32. (Currently Amended) A purified bovine TNF-RI polypeptide, wherein said polypeptide is selected from the group consisting of:

- (a) the polypeptide of SEQ ID NO:2; and
- (b) a fragment of the polypeptide of (a) that binds TNF.

33. (Currently Amended) A purified soluble bovine TNF-RI polypeptide, wherein said polypeptide is selected from the group consisting of:

- (a) the polypeptide of SEQ ID NO:4; and
- (b) a fragment of the polypeptide of (a) that binds TNF.

34. (Previously presented) The polypeptide of claim 33, wherein said polypeptide comprises a bovine TNF-RI extracellular domain or fragments thereof.

35. (New) The polypeptide of claim 29, wherein said nucleotide sequence is at least 90% identical to (a) or (b).

36. (New) The polypeptide of claim 29, wherein said nucleotide sequence is at least 95% identical to (a) or (b).

37. (New) The polypeptide of claim 30, wherein said nucleotide sequence is at least 90% identical to (a) or (b).

38. (New) The polypeptide of claim 30, wherein said nucleotide sequence is at least 95% identical to (a) or (b).

39. (New) The polypeptide of claim 29, wherein said polypeptide comprises a bovine TNF-RI extracellular domain or fragments thereof.

40. (New) The polypeptide of claim 32, wherein said polypeptide comprises a bovine TNF-RI extracellular domain or fragments thereof.

41. (New) The polypeptide of claim 29, wherein said TNF is bovine TNF.

42. (New) The polypeptide of claim 30, wherein said TNF is bovine TNF.

43. (New) The polypeptide of claim 32, wherein said TNF is bovine TNF.

44. (New) The polypeptide of claim 33, wherein said TNF is bovine TNF.

45. (New) The polypeptide of claim 29, wherein said nucleotide sequence is no less than 325 nucleotides in length.

46. (New) The polypeptide of claim 29, wherein said nucleotide sequence is no less than 545 nucleotides in length.

47. (New) The polypeptide of claim 35, wherein said nucleotide sequence is no less than 30 nucleotides in length.

48. (New) The polypeptide of claim 35, wherein said nucleotide sequence is no less than 75 nucleotides in length.

49. (New) The polypeptide of claim 36, wherein said nucleotide sequence is no less than 25 nucleotides in length.

50. (New) The polypeptide of claim 36, wherein said nucleotide sequence is no less than 75 nucleotides in length.

51. (New) The polypeptide of claim 30, wherein said nucleotide sequence is no less than 25 nucleotides in length.

52. (New) The polypeptide of claim 30, wherein said nucleotide sequence is no less than 75 nucleotides in length.

53. (New) The polypeptide of claim 37, wherein said nucleotide sequence is no less than 24 nucleotides in length.

54. (New) The polypeptide of claim 37, wherein said nucleotide sequence is no less than 75 nucleotides in length.

55. (New) The polypeptide of claim 38, wherein said nucleotide sequence is no less than 23 nucleotides in length.

56. (New) The polypeptide of claim 38, wherein said nucleotide sequence is no less than 75 nucleotides in length.

57. (New) The polypeptide of claim 32, wherein said polypeptide is no less than 30 amino acids in length.

58. (New) The polypeptide of claim 33, wherein said polypeptide is no less than 21 amino acids in length.

59. (New) The polypeptide of claim 29, wherein said polypeptide is purified to greater than 95% purity.

60. (New) The polypeptide of claim 30, wherein said polypeptide is purified to greater than 95% purity.

61. (New) The polypeptide of claim 32, wherein said polypeptide is purified to greater than 95% purity.

62. (New) The polypeptide of claim 33, wherein said polypeptide is purified to greater than 95% purity.